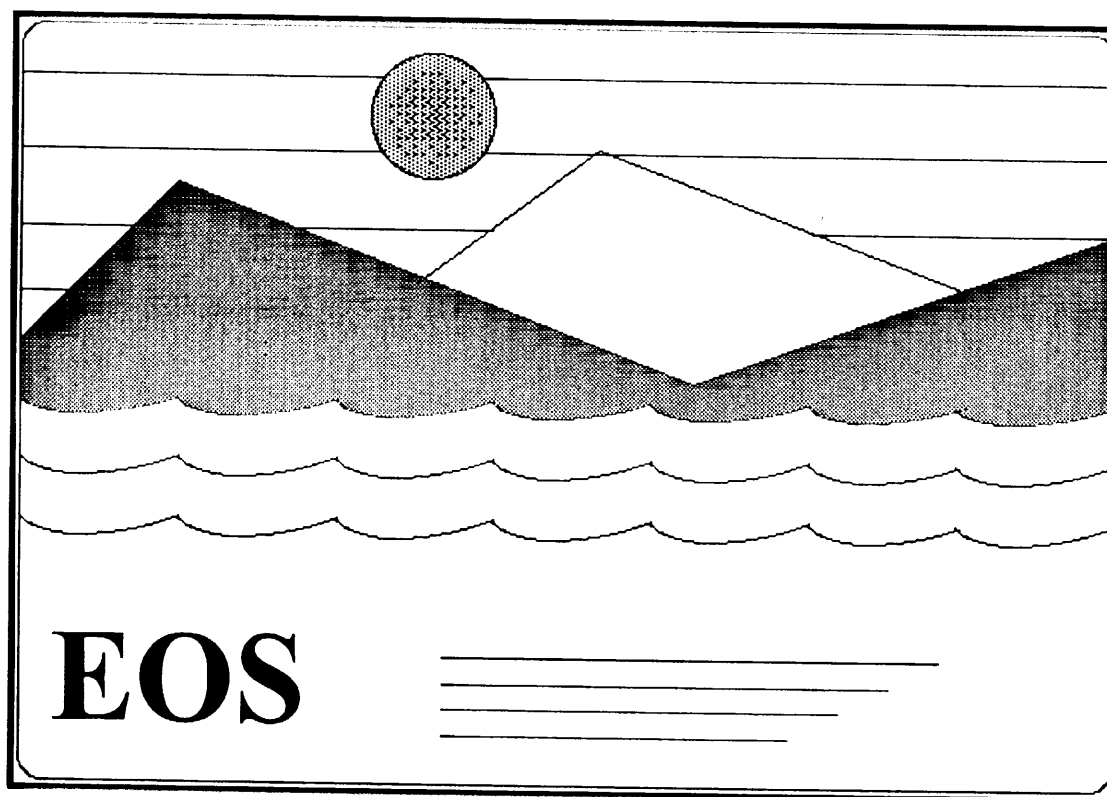


**MONTHLY PROGRAM STATUS REVIEW  
EOS ICE, CLOUD & LAND ELEVATION SATELLITE  
(ICESAT) OFFICE, CODE 401.6  
UPN 227 & 229 (LAM ONLY)**



**FEBRUARY 5, 1998**

DIRECTORATE: 400

## TEAM MANAGER'S ASSESSMENT

PROJECT: ICESAT

FEBRUARY 5, 1998

- ICESAT STATUS IS GOOD!
  - MINOR TECHNICAL AND PROGRAMMATIC ISSUES BEING DISCUSSED WITH BALL, AS A PRELUDE TO AWARDING THE DELIVERY ORDER. OUR PLAN IS TO REMAIN WITHIN OUR ALLOCATED FISCAL RESOURCES.

# ICESAT MISSION SUMMARY

STATUS AS OF: FEBRUARY 5, 1998

## TECHNICAL

	NOV	DEC	JAN
GLAS INSTRUMENT DEVELOPMENT	G	G	G
GLAS SCIENCE DEVELOPMENT	G	G	G
SPACECRAFT BUS	G	G	G
LAUNCH VEHICLE	Y	Y	Y
MISSION OPERATIONS	G	G	G

## BUSINESS

	NOV	DEC	JAN
COST	G	G	G
SCHEDULE	G	G	G
PROCUREMENT	G	G	G
WORK FORCE	G	G	G
TRAVEL	G	G	G

## RESOURCES

	NOV	DEC	JAN
MASS	G	G	G
POWER	G	G	G
DATA RATE	G	G	G

	NOV	DEC	JAN
DATA STORAGE	G	G	G
FUEL	G	G	G

## ASSESSMENT SUMMARY

	<u>TECHNICAL</u>	<u>COST</u>	<u>SCHEDULE</u>	<u>OVERALL</u>
<u>S/C</u>	G	G	G	G
<u>INSTRUMENTS</u>	G	G	G	G
<u>LAUNCH VEHICLE</u>	G	G	Y	G

## LEGEND

G	GOOD SHAPE
Y	MINOR PROBLEM
R	MAJOR PROBLEM

**ISSUE TITLE:** LAUNCH VEHICLE  
**PROJECT:** ICESAT

**FEBRUARY 5, 1998**

PROBLEM / ISSUES	PROGRAMMATIC IMPACT	ACTION	DATE	
			ESTAB.	COMPL.
<div>Y</div> <p>MISSION LAUNCH CAPABILITY IS EITHER NOT IN PRODUCTION OR IS NOT ON THE NASA ELV CONTRACT.</p>	<p>IF DEFINITE LAUNCH CAPABILITY IS NOT IDENTIFIED BY 4/98, MISSION SCHEDULE AND COST WILL BE AFFECTED.</p>	<p>1) NASA INITIATE SELV-II PROCUREMENT ASAP.</p> <p>2) OBTAIN NASA COMMITMENT FOR A PARTICULAR LAUNCH VEHICLE FOR THE INTERIM.</p> <p>3) <u>PROJECT TO NEGOTIATE A LATER DECISION DATE WITH BALL.</u></p>	12/97	4/98

#### CURRENT STATUS

- DISCUSSIONS WITH OLS AND HQ PERSONNEL CLEARLY INDICATE THAT IT WILL NOT BE PRACTICAL TO PROCURE THE NEEDED TAURUS-XL UNDER THE CURRENT MED-LITE CONTRACT.
- THE NEW KSC SELV-II VEHICLE PROCUREMENT CONTRACT IS EXPECTED TO RESULT IN AN ICESAT VEHICLE SELECTION BY AUGUST 1998.
- THEREFORE, THE PROJECT IS NEGOTIATING WITH BALL TO ACCEPT THE LATER DATE FOR THE TAURUS VERSUS ATHENA DECISION. THIS DELAYED DECISION MAY RESULT IN A SMALL PRICE INCREASE TO THE BALL OFFER (WHICH WILL BE DETERMINED SHORTLY).

# ICESAT TOP TEN PROBLEMS

AS OF FEBRUARY 5, 1998

PROBLEM/ISSUES	PROGRAMMATIC IMPACT	ACTION	STATUS
NONE YET!			

DIRECTORATE: 400

## SIGNIFICANT PROGRESS

PROJECT: ICESAT

FEBRUARY 5, 1998

- THE CODE 900 GLAS INSTRUMENT TEAM PRESENTED A VERY SUCCESSFUL PDR TO CODE 300 AND THE LaRC INDEPENDENT REVIEW REPRESENTATIVE (BOB CURRY) ON JAN 12-14, 1998
- BALL WAS SELECTED ON JANUARY 23, 1998, TO DEVELOP, INTEGRATE AND PROVIDE LAUNCH SUPPORT FOR THE ICESAT SPACECRAFT. NOTIFICATION OF SELECTION WAS MADE BY CODE 400 ON JANUARY 26, 1998. THE PROJECT IS CURRENTLY AT BALL AND PREPARING TO AWARD THE DELIVERY ORDER.
- “ADAPTIVE IMPLEMENTATION APPROACH” DISCUSSIONS WITH ESDIS RESULTED IN A “PI” REQUESTED CHANGE TO EOSDIS OPERATIONS. THE EXTENT OF THE CHANGE IS BEING DISCUSSED WITH EOSDIS SCIENTIST.

# ICESAT MASTER SCHEDULE

ORIG APPROVAL : 3/31/97

STATUS AS OF : 2/05/98

[illegible]

# ICESAT 9-MONTH SCHEDULE OF SIGNIFICANT EVENTS

STATUS AS OF : 2/05/98

EVENTS		FY 1998								
		1st Quarter		2nd Quarter			3rd Quarter			3rd Qtr
		NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL
1	INSTRUMENT SUBSYS TRADES	▽	1	▼ 1/12-14						
2	MECHANISMS BB ASSY & TEST		1		2 2/15					
3	GLAS INSTRUMENT PDR	▽	1	▼ 1/12-14						
4	FORMAL LAM S/C RFO RELEASE (1)	▼	11/12							
5	LAM S/C OFFERS DELIVERED		12/16							
6	LAM S/C DEL ORDER SELECTION		1/23	▼						
7	LAM S/C DEL ORDER AWARD				1 2/06					
8	C/D SCI PROP RCVD & CONTR AWD			1	1 2/13					
9	LAM INDEPENDENT REVIEW						1 4/10			
10	LASER BB ASSY & TEST	12/02	▼			1 2/27				
11	HOP TEST BED ASSY & TEST	12/05	▼			1 2/20				
12	MACHINE FLIGHT TELESCOPE		1		1 2/10					
13	900 STAR TRACKER PROCURMT (2)		1/16	▼	2/13	2 3/2		5/29	4 5 6/9	
14										
15	900 GYRO PROCURMT (2)		1/16	▼	2/09	2 3/06	3 4/15	4 5 4/24		
16										
17	MOWG							1 5/15		
18										
19										
20										

## NOTES:

(1) BUS PROCUREMENT CLOCK STARTS

(2) 1:PR PREP, 2:RFP REL, 3:OFFER RCVD, 4:TECH EVAL CMPL, 5:AWARD





## LASER ALTIMETRY MISSION (LAM) ACRONYMS

ASSY	ASSEMBLY
ATBD	ALGORITHM THEORETICAL BASIS DOCUMENT
AWD	AWARD
BB	BREADBOARD
CDR	CRITICAL DESIGN REVIEW
CDRL	CONTRACT DELIVERABLE REQUIREMENTS LIST
CMPL	COMPLETE
CO	CHECKOUT
DEL	DELIVERY
DOC'N	DOCUMENTATION
EOL	END-OF-LIFE
ELV	EXPENDABLE LAUNCH VEHICLE
EM	ENGINEERING MODEL
EXEC	EXECUTION
FAB	FABRICATION
FCA	FULL COST ACCOUNTING
FRR	FLIGHT READINESS REVIEW
GLAS	GEOSCIENCE LASER ALTIMETER SYSTEM
I & T	INTEGRATION AND TEST
ICESAT	ICE, CLOUD & LAND ELEVATION SATELLITE

## **LASER ALTIMETRY MISSION (LAM) ACRONYMS (CONT.)**

<b>IMDC</b>	<b>INTEGRATED MISSION DESIGN CENTER</b>
<b>IR</b>	<b>INDEPENDENT REVIEW</b>
<b>KSC</b>	<b>KENNEDY SPACE CENTER</b>
<b>LaRC</b>	<b>LANGLEY RESEARCH CENTER</b>
<b>LMLV</b>	<b>LOCKHEED-MARTIN LAUNCH VEHICLE</b>
<b>LRD</b>	<b>LAUNCH READINESS DATE</b>
<b>MDR</b>	<b>MISSION DESIGN REVIEW</b>
<b>MGR</b>	<b>MANAGER</b>
<b>MOR</b>	<b>MISSION OPERATIONS REVIEW</b>
<b>MOWG</b>	<b>MISSION OPERATIONS WORKING GROUP</b>
<b>MSI &amp; T</b>	<b>MISSION SYSTEM I &amp; T</b>
<b>NOA</b>	<b>NEW OBLIGATION AUTHORITY</b>
<b>OLS</b>	<b>ORBITAL LAUNCH SERVICES</b>
<b>ORR</b>	<b>OPERATIONAL READINESS REVIEW</b>
<b>PAF</b>	<b>PAYLOAD ATTACH FITTING</b>
<b>PDR</b>	<b>PRELIMINARY DESIGN REVIEW</b>
<b>PER</b>	<b>PRE-ENVIRONMENTAL REVIEW</b>
<b>PFM</b>	<b>PROTOFLIGHT MODEL</b>
<b>PMT</b>	<b>PHOTO MULTIPLIER TUBE</b>
<b>POP</b>	<b>PROGRAM OPERATING PLAN</b>
<b>PSR</b>	<b>PRE-SHIP REVIEW</b>

## **LASER ALTIMETRY MISSION (LAM) ACRONYMS (CONT.)**

<b>REL</b>	<b>RELEASE</b>
<b>RFO</b>	<b>REQUEST FOR OFFER</b>
<b>RFP</b>	<b>REQUEST FOR PROPOSAL</b>
<b>ROB</b>	<b>REASSIGNMENT OPPORTUNITY BULLETIN</b>
<b>RQMTS</b>	<b>REQUIREMENTS</b>
<b>RSD</b>	<b>RAPID SPACECRAFT DEVELOPMENT</b>
<b>RSDO</b>	<b>RAPID SPACECRAFT DEVELOPMENT OFFICE</b>
<b>SAR</b>	<b>SYSTEM ARCHITECTURE REVIEW</b>
<b>S/C</b>	<b>SPACECRAFT</b>
<b>SCF</b>	<b>SCIENCE COMPUTING FACILITY</b>
<b>SCI</b>	<b>SCIENCE</b>
<b>SRS</b>	<b>STELLAR REFERENCE SYSTEM</b>
<b>SEL</b>	<b>SELECTION</b>
<b>SELV</b>	<b>SMALL ELV</b>
<b>SOW</b>	<b>STATEMENT OF WORK</b>
<b>SRR</b>	<b>SYSTEM REQUIREMENTS REVIEW</b>
<b>S/S</b>	<b>SUBSYSTEM</b>
<b>STAAC</b>	<b>SPACE TECHNOLOGY AND ADVANCED CONCEPTS</b>
<b>SUBSYS</b>	<b>SUBSYSTEM</b>
<b>SYS</b>	<b>SYSTEM</b>
<b>V.</b>	<b>VERSION</b>